```
07:42:00        CLR  Call Monitor: Call RSSI value
4113    Source: 6         CCP0
                    (407)3250010 cell 201 frssi -81 rrssi -83 attn 2
fber 0 rber 0              Object: 20         A        TC 780
                     Class: XXXXXXXXXXXXX
Domain:2                   BTS:1  Chassis:     Slot:0    Port:
007:42:00       CLR  Call Monitor: Adjacent cell RSSI values from mobile
4116    Source: 6         CAP2
                    (407)3250010 Cell_id/RSSI: 32/-97 202/-113 491/-103
Object: 6        CAP2
                     Class: XXXXXXXXXXXXX
Domain:2                   Chassis:6    Slot:11   Port:
07:42:00       CLR  Call Monitor: Adjacent cell RSSI values from mobile
4116    Source: 6         CAP2
                    (407)3250010 Cell_id/RSSI: 412/-87 323/-109 203/-103
Object: 6        CAP2
                     Class: XXXXXXXXXXXXX
Domain:2                   Chassis:6    Slot:11   Port:
007:42:00       CLR  Call Monitor: Adjacent cell RSSI values from mobile
4116    Source: 6         CAP2
                    (407)3250010 Cell id / RSSI: 1353/-113
Object: 6        CAP2
                     Class: XXXXXXXXXXXXX
Domain:2                   Chassis:6    Slot:11   Port:
07:42:01       CLR  Call Monitor: Call RSSI value
4113    Source: 6         CCP0
                    (407)3250010 cell 201 frssi -81 rrssi -84 attn 2
fber 0 rber 0              Object: 20         A        TC 780
                     Class: XXXXXXXXXXXXX
Domain:2                   BTS:1  Chassis:     Slot:0    Port:
007:42:01       CLR  Call Monitor: Call Handoff has taken place
4104    Source: 2         CCP0
                   Ph#:(407)3250010 Handoff from  201 to   32
Object: 3          B        TC 755
                     Class: XXXXXXXXXXXXX
Domain:1                   BTS:2  Chassis:     Slot:0    Port:
07:42:01       CLR  Call Monitor: Call Path Assigned
4101    Source: 2         CCP0
                    Ph#:(407)3250010 Handin connect E1: 0, 7 T1: 0, 4
755 TDMA-3              Object: 3          B        TC 755
                     Class: XXXXXXXXXXXXX
Domain:1                   BTS:2  Chassis:     Slot:0    Port:
007:42:01       CLR  Call Monitor: Adjacent cell RSSI values from mobile
4116    Source: 6         CAP2
                    (407)3250010 Cell_id/RSSI: 32/-97 202/-113 491/-101
Object: 6        CAP2
                     Class: XXXXXXXXXXXXX
Domain:2                   Chassis:6    Slot:11   Port:
```

Figure 1

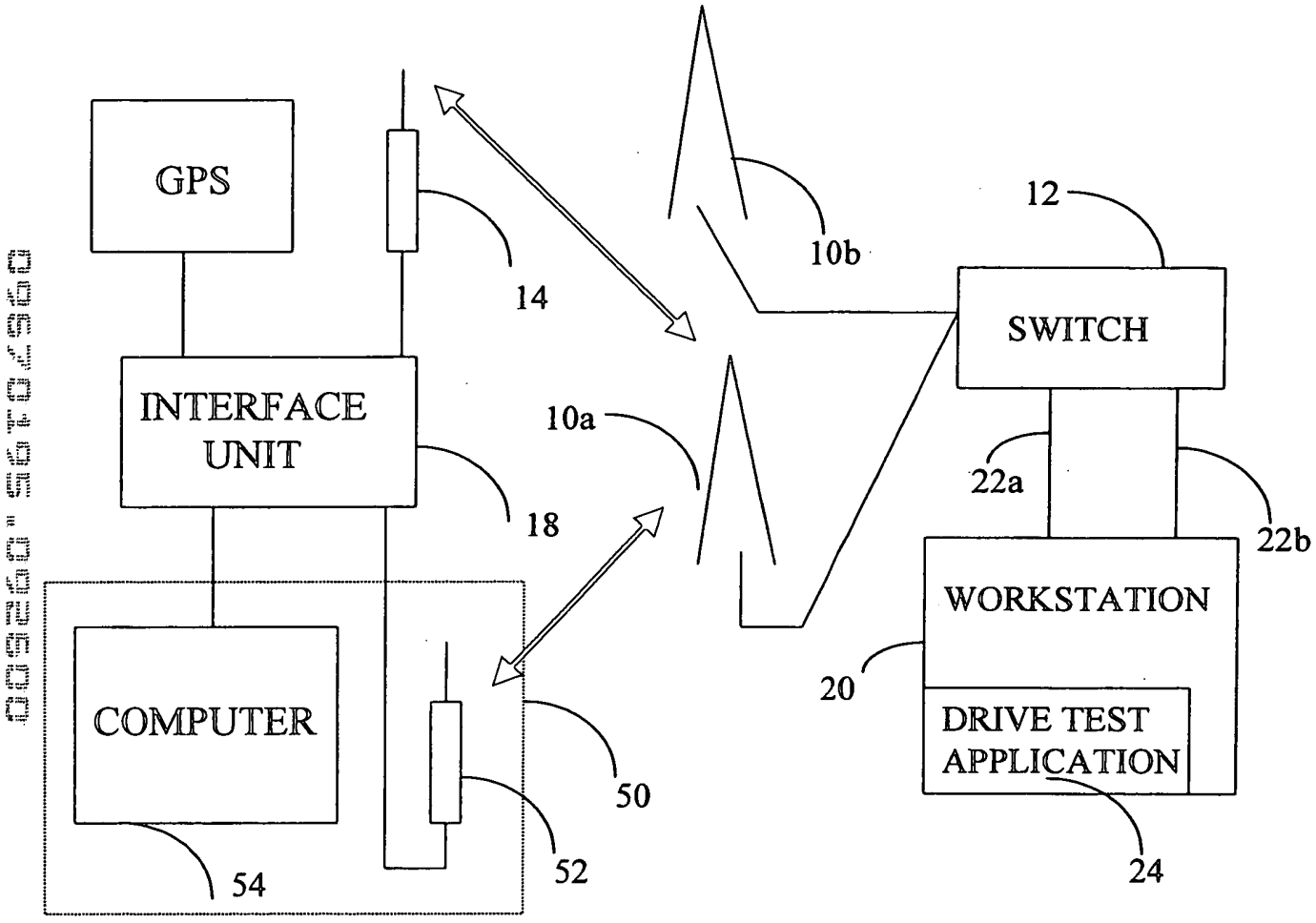
GPS
14
10b
12
SWITCH
INTERFACE UNIT
10a
18
22a
22b
WORKSTATION
20
DRIVE TEST APPLICATION
24
COMPUTER
50
52
54

Figure 2

STANDARD FILE FORMAT

Subscriber Number
Serving cell site
Channel
Channel type
Mobile power
$F_RSSI_1, F_RSSI_2, \ldots, F_RSSI_n$
$R_RSSI_1, R_RSSI_2, \ldots, R_RSSI_n$
$F_BER_1, F_BER_2, \ldots, F_BER_n$
$R_BER_1, R_BER_2, \ldots, R_BER_n$
$Call_event_1, Call_event_2, \ldots, Call_event_n$
$NEIGHBOR_RSSI_1, NEIGHBOR_RSSI_2, \ldots, NEIGHBOR_RSSI_n$
$TimeStamp_1$, $Lat/Long_1$, ..., $TimeStamp_n$, $Lat/Long_n$
:
:
:

Figure 3

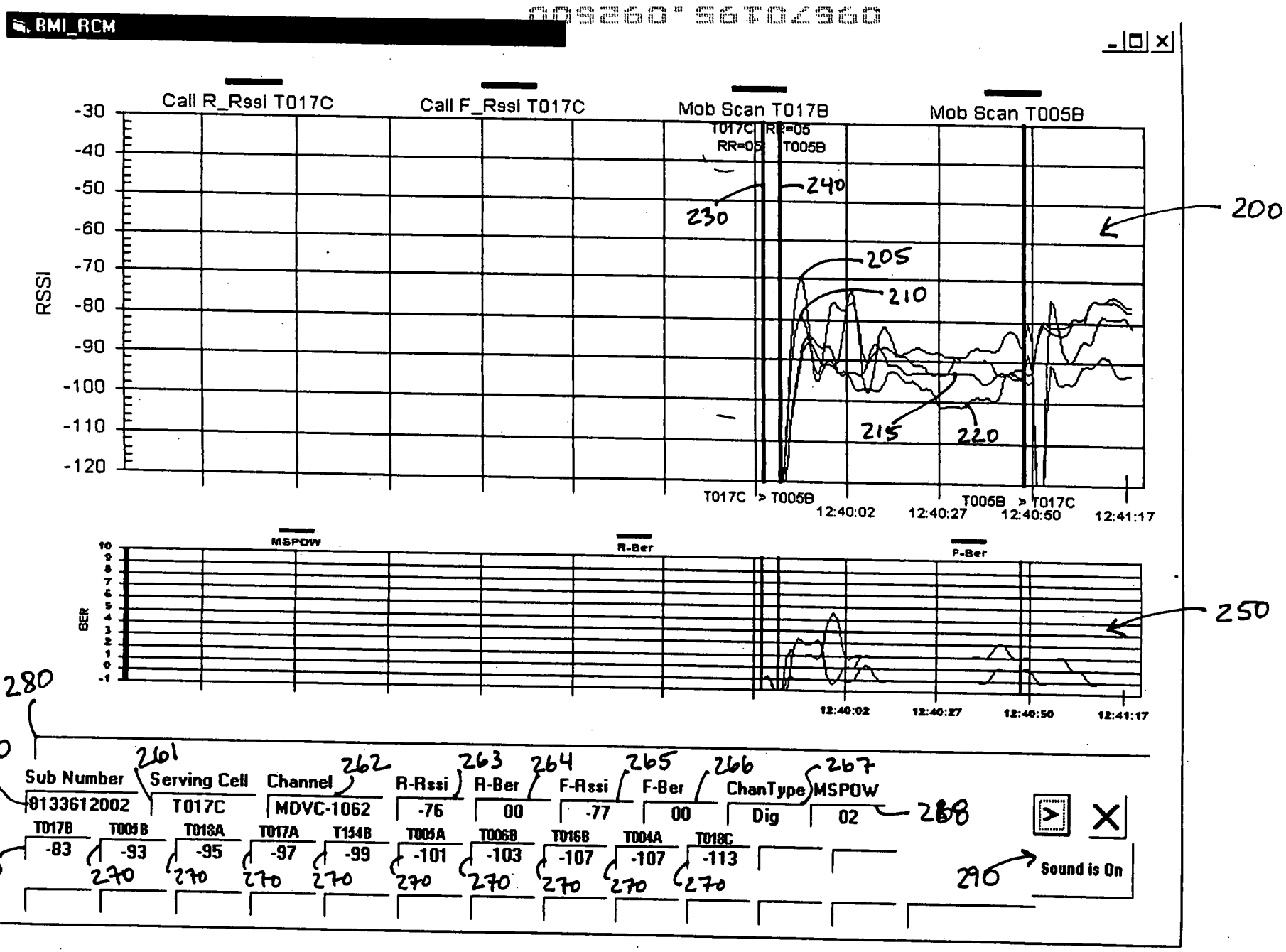
BMI_RCM
Call R_Rssi T017C
Call F_Rssi T017C
Mob Scan T017B
Mob Scan T005B
RSSI
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
T017C RR=05
RR=05 T005B
230
240
205
210
215
220
200
T017C > T005B
T005B > T017C
12:40:02
12:40:27
12:40:50
12:41:17
MSPOW
R-Ber
F-Ber
BER
250
280
260
261
262
263
264
265
266
267
Sub Number
Serving Cell
Channel
R-Rssi
R-Ber
F-Rssi
F-Ber
ChanType
MSPOW
8133612002
T017C
MDVC-1062
-76
00
-77
00
Dig
02
268
T017B
T005B
T018A
T017A
T114B
T005A
T006B
T016B
T004A
T018C
-83
-93
-95
-97
-99
-101
-103
-107
-107
-113
270
290
Sound is On

Figure 4a

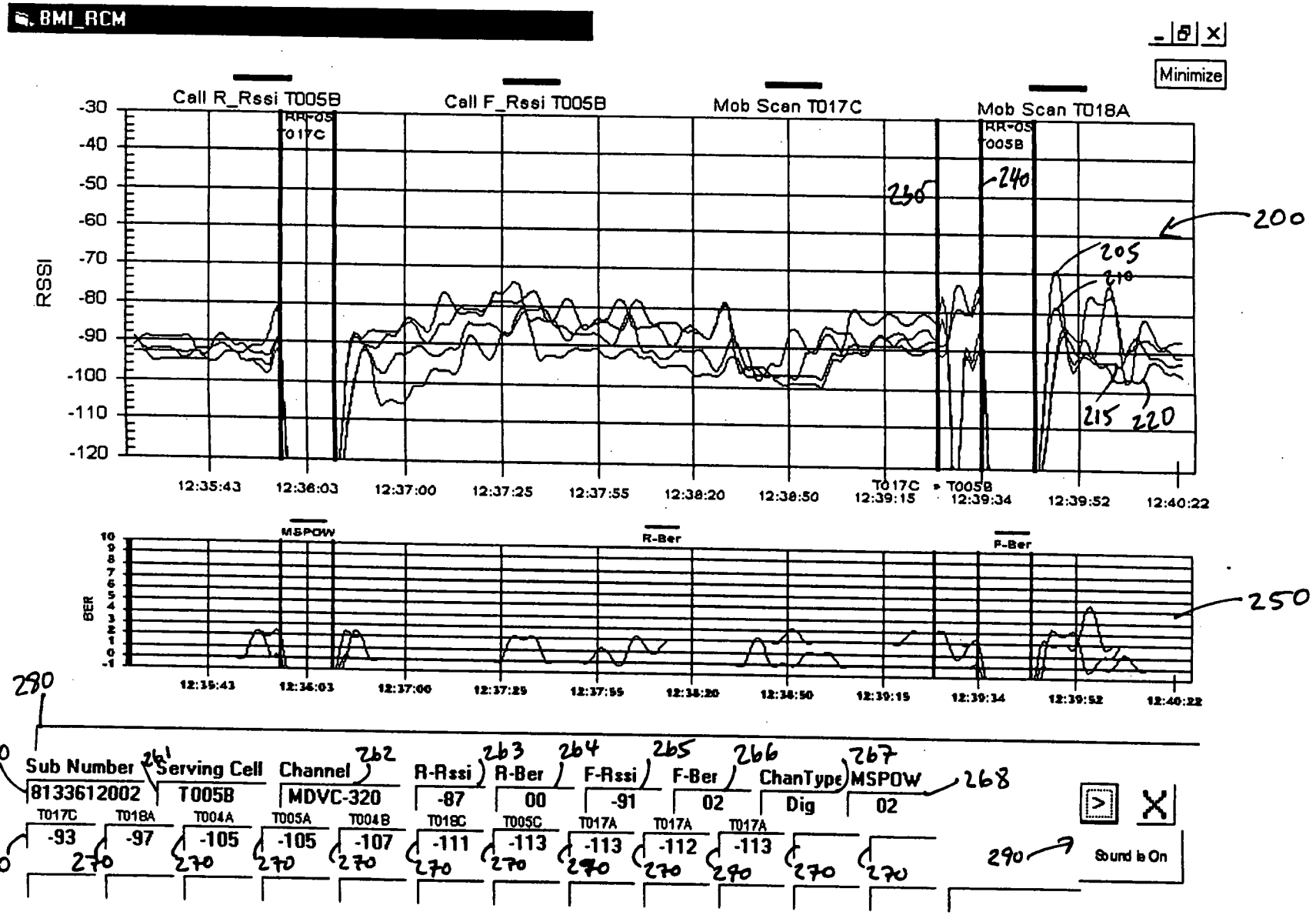
BMI_RCM
Minimize
Call R_Rssi T005B
Call F_Rssi T005B
Mob Scan T017C
Mob Scan T018A
RSSI
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
12:35:43
12:36:03
12:37:00
12:37:25
12:37:55
12:38:20
12:38:50
12:39:15
12:39:34
12:39:52
12:40:22
T017C
T005B
230
240
200
205
210
215
220
MSPOW
R-Ber
F-Ber
BER
250
280
Sub Number
Serving Cell
Channel
R-Rssi
R-Ber
F-Rssi
F-Ber
ChanType
MSPOW
8133612002
T005B
MDVC-320
-87
00
-91
02
Dig
02
261
262
263
264
265
266
267
268
T017C
T018A
T004A
T005A
T004B
T018C
T005C
T017A
T017A
T017A
-93
-97
-105
-105
-107
-111
-113
-113
-112
-113
270
290
Sound is On

Figure 4B

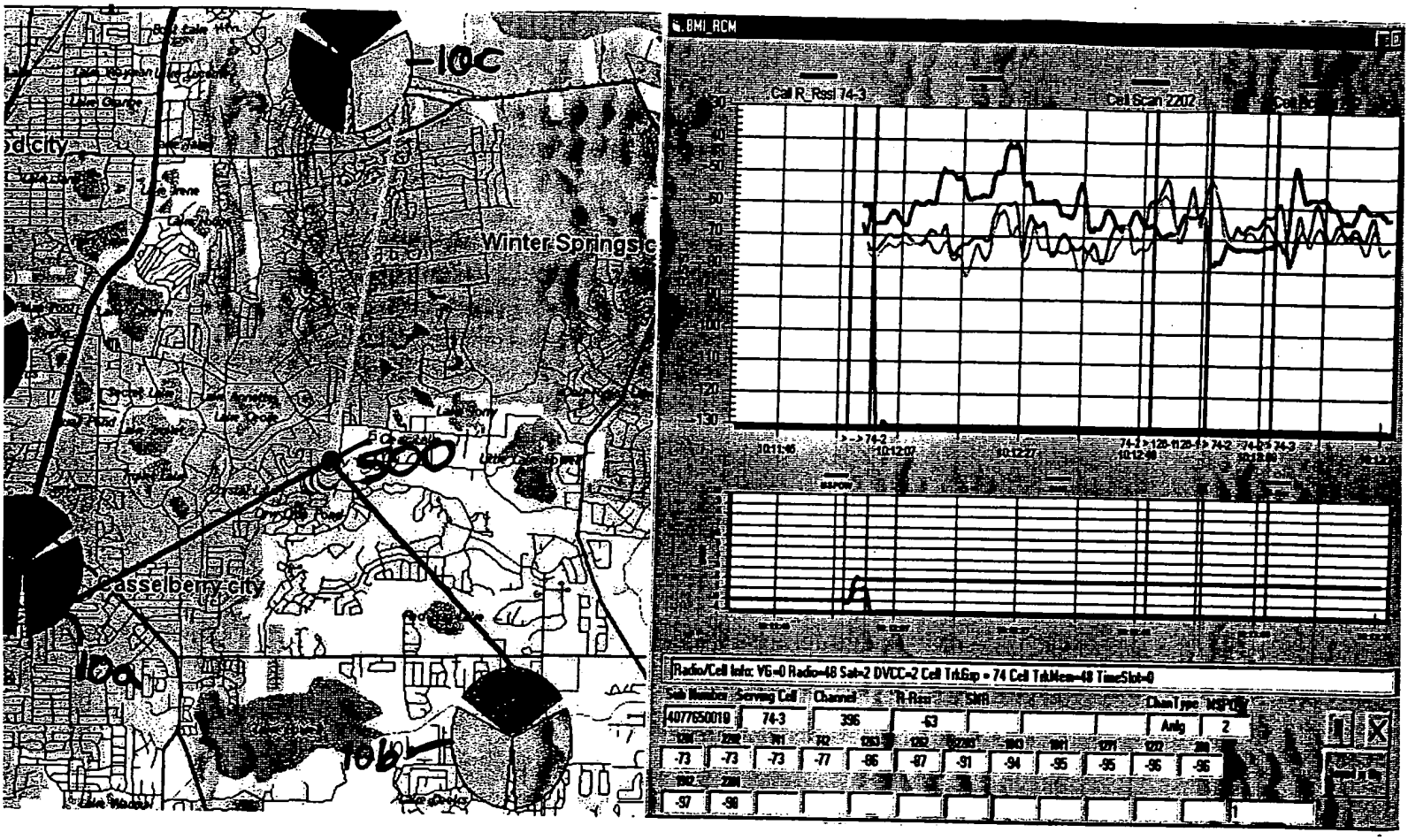
Winter Springs
Casselberry city
500
109
16b
BMI_RCM
Call R_Rssi 74-3
Cell Scan 2202
Radio/Cell Info: VG=0 Radio=48 Sat=2 DVCC=2 Cell TrfGrp = 74 Cell TrfMeas=48 TimeSlot=0
Serv Monitor
Serving Cell
Channel
R-Rssi
SMS
ChanType
4077650019
74-3
396
-63
Analg
2

Fig. 5

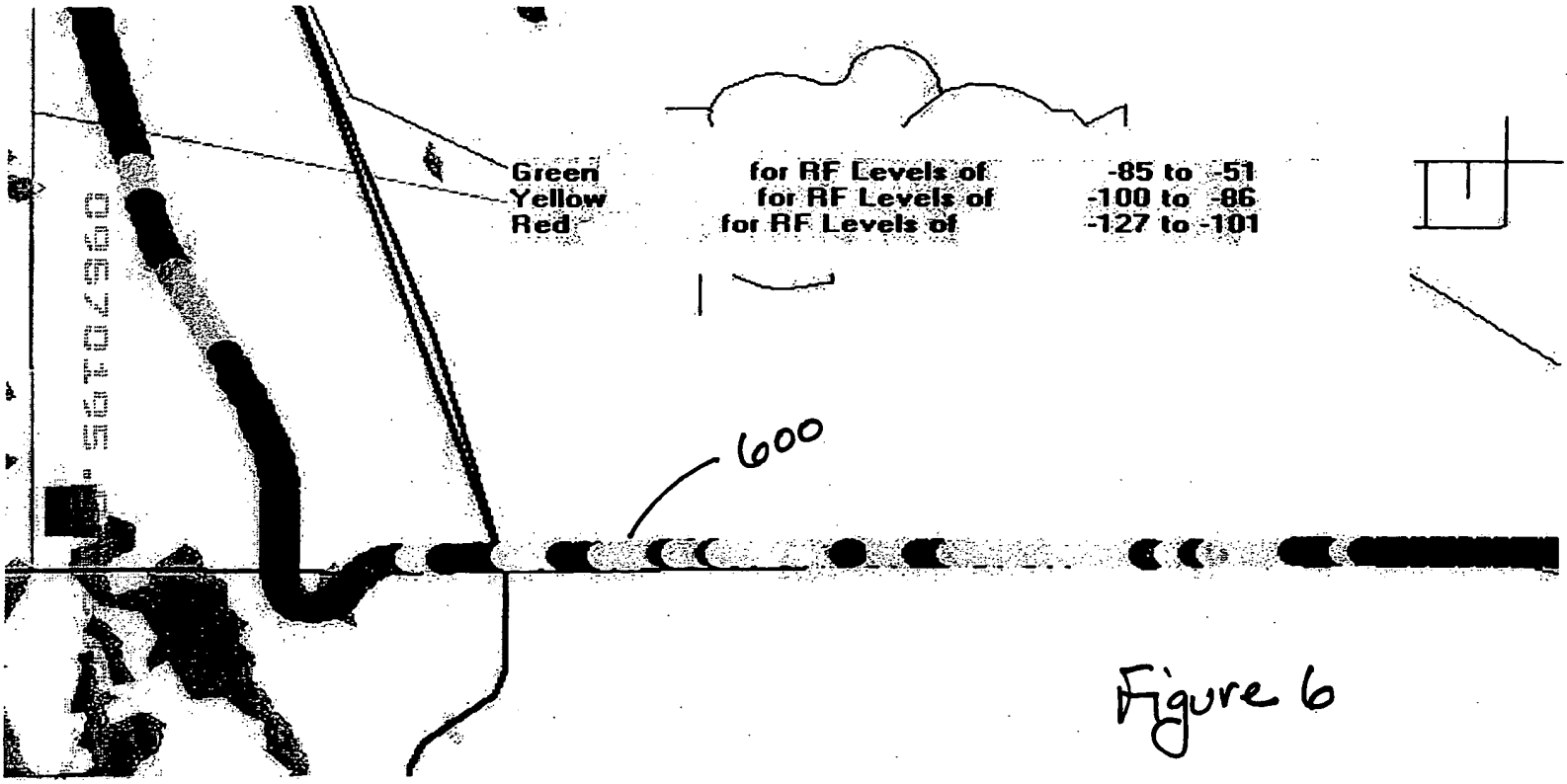
Green for RF Levels of -85 to -51
Yellow for RF Levels of -100 to -86
Red for RF Levels of -127 to -101
600

Figure 6

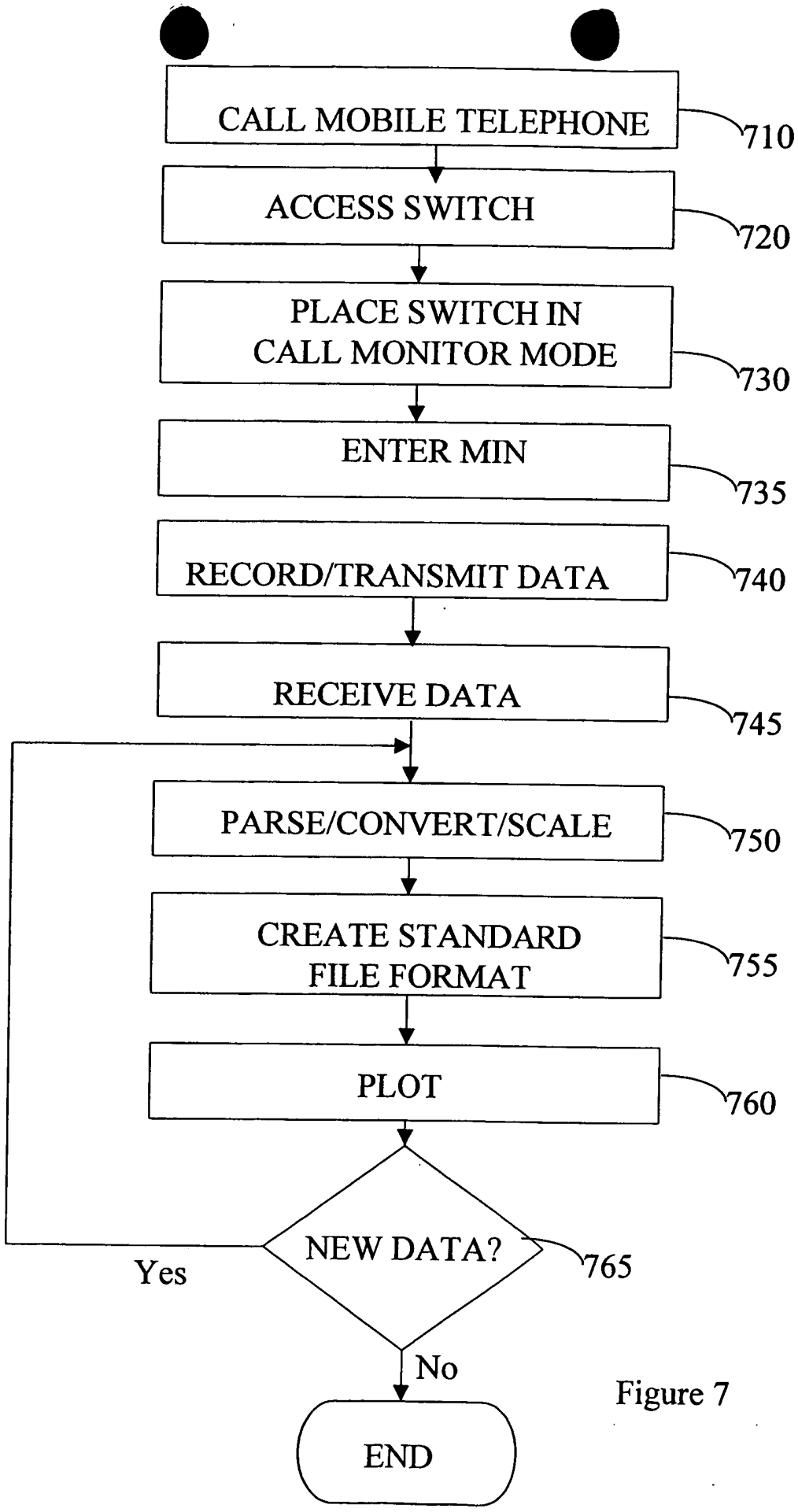
CALL MOBILE TELEPHONE
710
ACCESS SWITCH
720
PLACE SWITCH IN CALL MONITOR MODE
730
ENTER MIN
735
RECORD/TRANSMIT DATA
740
RECEIVE DATA
745
PARSE/CONVERT/SCALE
750
CREATE STANDARD FILE FORMAT
755
PLOT
760
NEW DATA?
765
Yes
No
END

Figure 7